BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work :- Detailed Estimate for Operation and Maintenance of Street Lighting System in Ward No.08 Package Y-8 of Yelahanka Zone.

Budget Head .....

Division No..... Estimate No. 14/2019-20 For Rs.= 3500000.00

Sl. No.	Description of Work	Qty.	Rate Per Year Rs. Ps.	Unit	Amount
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. i) Poles with 36/40 W fluorescent tube light street lighting system.	326	685.45	Each	223456.70
2	Poles with 125 W MV light Park lighting system.	110	756.29	Each	83191.90
3	Poles with 250W HPSV light street lighting system.	2148	1019.41	Each	2189692.68
4	Poles with 400 watts HPSV light street lighting system.	110	1118.08	Each	122988.80
5	Poles with 24 W LED light street lighting system.	25	880.01	Each	22000.25
6	Poles with 65 W LED light street lighting system.	27	1147.43	Each	30980.61
7	Poles with 90 W LED light street lighting system.	302	1377.66	Each	416053.32
8	Poles with 110/120 W LED light street lighting system.	14	1575.50	Each	22057.00
9 72/13. 17.1	B. Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer, Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole.a)5 mtr pole	110	550.00	Each	60500.00
10 72/13. 17.3	c) 8 Mtr and above street light pole	50	770.00	Each	38500.00
11 XIV 256	Moulded Case Circuit Breaker (MCCB) Three Pole 100Amps 25kA	32	2718.00	Each	86976.00
12	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	32	2178	Each	69696

13 AR	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	2	51500	No	103000.00
14	**GST 12% ITEM 9,10,11,12**				30680.64
15	Misleniuos				**226.10**
	Total Rs				**3500000.00**

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2019-20 / , BESCOM SR approved rates

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 35.00 LAKHS
RUPEES THIRTY FIVE LAKHS
ONLY ——— /——— /———
is accorded under head P0300 M AND R TO
STREET LIGHTS REPLACEMENT
OF BURNT BULBS ETC PACKAGE
Registered in E.E. No. 14/2019-20 Subject
to conditions contained in enclosed memo
No. BBMP/EE(E)/E(E)/42/AS/14/2019-20
Dt 30-11-2019

Executive Engineer

sanctioned for Rs. 35,00,000/-
Rupees THIRTY FIVE LAKH ONLY
Under P0300
Job Code No 08-20-000014
Registered as SE(Y)/TS/ 14 / 19-20 subject
to conditions contained in enclosed memo
14 / 19-20 Dated.
12/12/2019